



Canadian Space
Agency

Agence spatiale
canadienne



International Charter on Space and Major Disasters

U.S. Government Synthetic Aperture Radar
Users Symposium

Dr. Surendra Parashar
March 28, 2001

Canada



International Charter on Space and Major Disasters



Charter



Signed on October 20th, 2000

Operational as of November 1st, 2000



Canadian Space Agency
Agence spatiale
canadienne

Satellite Operations



Purpose



Charter

Promote cooperation between space agencies and space system operators in the use of space facilities as a contribution to the management of crises arising from natural or technological disaster.



Canadian Space
Agency

Agence spatiale
canadienne

Satellite Operations



Organization

- ↓ **The parties develop their co-operation on a voluntary basis.**
- ↓ **Charter open to space agencies and national or international space system operators.**
- ↓ **Administrative, operational and technical co-ordination provided by a Board and a Technical Working Group**
- ↓ **Who can request data under the Charter ?**
Authorized Users:
National Civil Protection Authorities of the signatory states

Charter



Canadian Space Agency
Agence spatiale canadienne

Satellite Operations



Status



- ↓ **An Implementation Plan is under review and approval.**
- ↓ **Procedures for various functional units complete:**
 - On-Duty Operator (ODO)**
 - Emergency on-Call Officer (ECO)**
 - Project Manager (PM)**
- ↓ **An Authorized User List is being approved by the Board.**
- ↓ **A Communication Strategy Plan under preparation.**
- ↓ **Regular Board and Technical Working Group meetings are held.**

Charter



Canadian Space Agency
Agence spatiale
canadienne

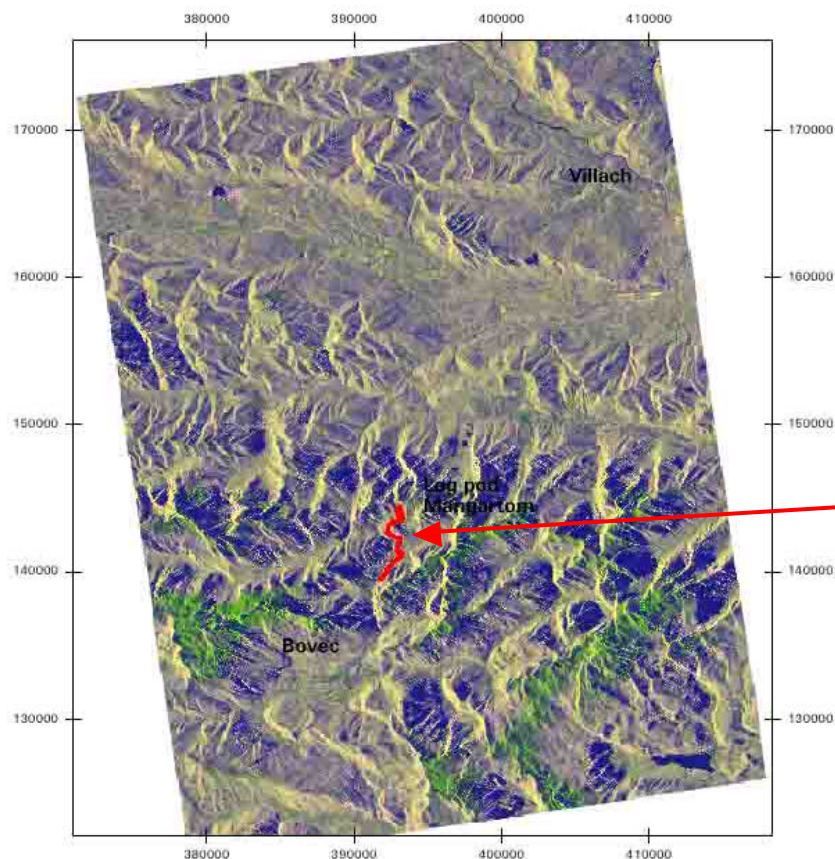
Satellite Operations



Slovenian Landslide



Charter



Landslide completely changed the valley Log pod Mangartom.

More than 50 hectares arable and urban land destroyed.

**Entire villages evacuated.
(7 deaths)**

RADARSAT imagery enhanced with the support of SPOT and ERS.



Canadian Space Agency
Agence spatiale
canadienne

Satellite Operations



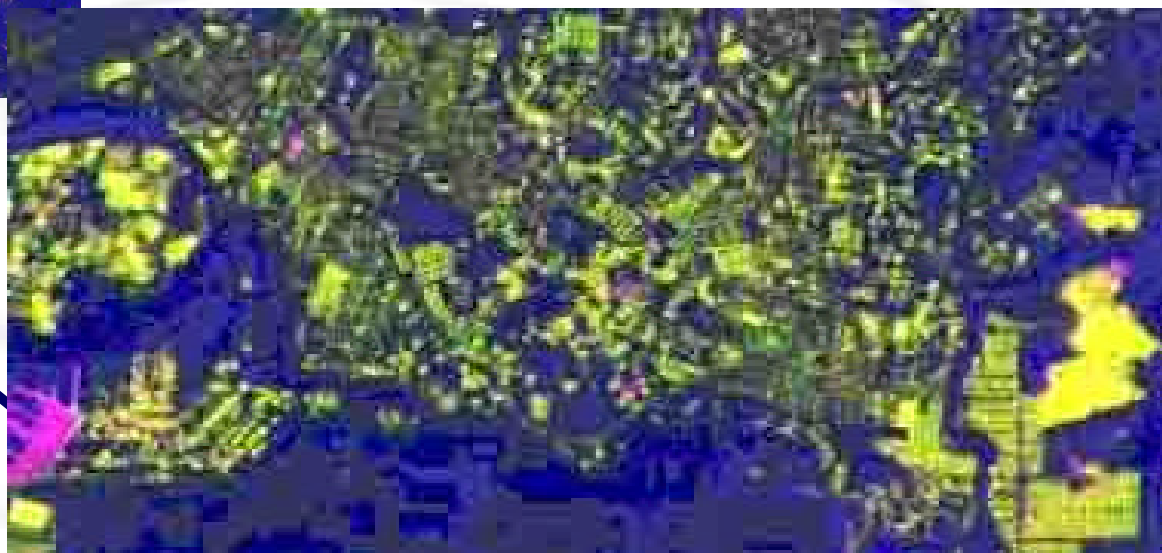
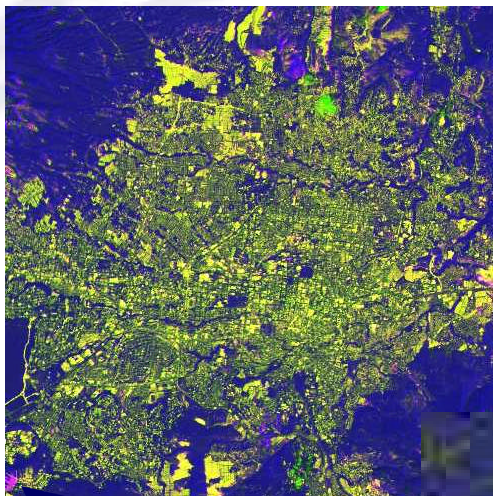
Salvadoran Earthquake



Disaster assessment based on SPOT
and other charter satellite acquisitions

City of San Salvador

Charter



Affected sectors appear in purple.



Canadian Space
Agency

Agence spatiale
canadienne

Satellite Operations